

**Dr. John C. Brock**  
*Northrop Grumman Space Technology*



**EDUCATION**

University of California at Berkeley  
Ph.D., Chemical Physics, 1976  
University of Washington  
B.S., Chemistry, 1972

**WORK EXPERIENCE**

Northrop Grumman Space Technology  
Chief Technologist, 2005 - present  
Director, Technology Strategy and Planning, 2002 - 2005

**TRW**

Chief Technology Officer, Velocium (a commercial TRW Affiliate), 2000 - 2002  
Chief Technologist, Space and Technology Division, 1997 - 2000  
Manager, Photonics Technology Department, Space and Electronics, 1991 - 1997  
Senior Scientist, Staff Scientist, Member of the Technical Staff, 1980 - 1991

**Jet Propulsion Laboratory**

NRC-NASA Resident Research Associate, 1977 - 1980

**California Institute of Technology**

Research Fellow, 1976 - 1977

**AREAS OF EXPERTISE**

Optoelectronics, lasers, nonlinear optics, technology planning, road mapping.

**PROFESSIONAL/SCIENTIFIC/HONORARY AFFILIATIONS**

Senior Technical Fellow, Northrop Grumman Space Technology/TRW; Distinguished Patent Award, TRW (2002); Chairman's Award for Innovation, TRW (1998); Defense Science Board Advisory Group on Electron Devices; Reviewer, Optics Letters, Journal of Lightwave Technology, Applied Optics; Reviewer, Australian Research Council; Member of IEEE, Sigma Xi, Science Advisory Boards of several University MURIs and DARPA sponsored Optoelectronic Research Centers.